Fundamentals of Electric Communication 202	
4. Stability of linear systems 5. Relationship between the components of the transfer coefficient	351
Appendix.	356
Properties of Hyperbolic functions	360
References	367
AVAILABLE: Library of Congress (TK 5101 .K6)	
JJP/ksv 7-26-58	1
Card 9/9	

YEF IMOV, I.Ye., inshener.

Pamphlets on the experience of progressive mines. Mekh.trud. rab. 9 no.10:47 C 155. (MLRA 9:1) (Bibliography--Coal mines and mining)

GRODNEY, Igor' Izmaylovich; IAKERNIK, Rafail Moiseyevich; SHARLE, David Leonidovich; YEFIMOV, I.Ye., redaktor; LINKOV, A.V., redaktor; PRIDKIN, A.M., tekhnicheskiy redaktor

[Fundamentals of the theory and the production of communication cables] Osnovy teorii i proizvodstvo kabelei sviazi. Moskva, Gos. (MIRA 9:11) energ. izd-vo. 1956. 48Q p. (Electric cables)

GRODNEY, I.I.; TAPIMOY. L.Ya.; MARIMONT, L.B.; SHIRYAYEY, N.P., inzhener-kapitan, redaktor; STREL'NIKOYA, M.A., tekhnicheskiy redaktor

[Gommunication lines; approved by the chief signal office as a textbook for military schools of communication] Linii sviazi; edobreno nachal'nikom voiak sviazi v kachestve uchabnika dlia odobreno nachal'nikom voiak sviazi v kachestve uchabnika dlia voennykh uchilishch sviazi. Moskva, Voen. izd-vo M-va obor. SSSR, voennykh uchilishch sviazi. Moskva, Voen. izd-vo M-va obor. SSSR, (MIRA 10:6)

(Telephone lines) (Telegraph lines)

YEFIMOV, I.Ye.

For a determined introduction of the advanced experience of miner innovators. Mekh. trud. rab. 10 no.8:45-47 Ag '56. (MLRA 9:10)

(Coal mining machinery)

YEFIMOV, I. To.

Nonlinear properties of bimetallic conductors containing ferroNonlinear properties. Electrosviar' 10 no.12:57-66 D '56.

magnetic material. Electric conductors)

(Electric conductors)

(MLRA 9:12)

TEFIMOV, I.Te.

The mining the complex magnetic induction of the ferromagnetic layer in bimetal wires. Shor. nauch. rab. po prov. sviazi no.6:
(MIRA 11:5)
65-76 '57.

(Magnetic induction) (Mectric wire)

YEPIMOV, I. You; LAKERNIK, R.M.

Ferromagnetic coating of conductors in high-frequency communication cables. Shor. nauch. rab. po prov. sviazi no.6:77-105 (Electric cables) 57. (MIRA 11:5)

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(Frotection components 5 157.	n from nonlinear distortions due to combination circuit s made of bimetallic wires. Elektrosviaz' 11 no.9:50-57 (MIRA 10:11)
			(Electric circuits)

KULESHOV, Vasiliy Nikolayevich; YEFIMOV, I.Ye., otv.red.; KOKOSOV, L.V., red.; SHEFER, G.I., tekhn.red.

[Long-distance communication lines] Mezhdugorodnye kabel'nye linii sviazi. Moskva, Gos.izd-vo lit-ry po voprosam sviszi i radio, 1959. 195 p. (MIRA 13:5) (Electric lines) (Telecommunications)

PHASE I BOOK EXPLOITATION SOV/3858

- Yefimov, I.Ye., M.A. Klimov, R.M. Lakernik, and D.L. Sharle
- Konstruktivnyye i elektricheskiye kharakteristiki kabeley svyazi (Design and Electrical Characteristics of Communication Cables) Moscow, Svyaz'izdat, 1959. 541 p. 7,500 copies printed.
- Resp. Ed.: P.A. Frolov; Ed.: G.V. Begacheva; Tech. Ed.: S.F. Karabilova.
- PURPOSE: This monograph is for students specializing in the field of communication cables and for personnel of communication centers and the cable industry who wish to improve their qualifications.
- COVERAGE: The monograph contains the fundamentals of design and electrical characteristics of Soviet and non-Soviet communication and radio-frequency cables, the properties of their materials, and methods of calculating their design. I.E. Yefimov wrote Ch. II (except Section 8), VI, XIV (together with R.M. Lakernik), and XV; M.A. Klimov wrote Ch. VII, IX (together with D.L. Sharle), X, XIII, and Section 8 of Ch. II.; R.M. Lakernik wrote Ch. IV, V, Card 1/7

Design and Electrical Characteristics (Cont.) SOV/3858	}	
XI, XII, and XIV (together with I.E. Yefimov); D.L. Sharle wrote Ch. I, III, VIII, and IX (together with M.A. Klimov). The authors thank P.A. Frolov. There are 157 references: 140 Soviet, 9 English, 7 German, and 1 Swedish.		
TABLE OF CONTENTS:		•
Foreword	3	
Introduction	- 4	ī.
Ch. I. Development of Communication Cables 1. Underground communication cables 2. Submarine communication cables	9 24	
Ch. II. Fundamentals of the Theory of Transmission by Communication Cables 1. Basic principles and diagrams of cable communications 2. Primary parameters of cable circuit transmission 3. Secondary parameters of cable circuit transmission 4. Distortions in uniform cable circuit 5. Input resistance of cable circuits Card 2/7	38 46 55 61 65	

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sov/106-59-3-12/12

AUTHOR:

Yefimov, I.Ye.

TITLE:

The Calculation of the Parameters of Cables with Bi-metallic Cores (K raschetu parametrov kabeley s bimetallicheskimi zhilami)

PERIODICAL: Elektrosvyaz', 1959, Nr 3, pp 91-96 (USSR)

ABSTRACT:

At a frequency of 260 kc/s the effective useful depth of the surface layer of copper is only 0.13 mm while at a frequency of 800 kc/s this has fallen to 0.075 mm. Consequently by using, for example, a copper-plated steel conductor with a core diameter of 1.2 mm, it is possible to economise on up to 60-75% of the copper. Formulae for the resistance and inductance are taken from Ref 1 and 2 and given here as Eq 1 and 2. these formulae k' and k" represent skin effect coefficients while F1 and F2 represent proximity effect. The latter two coefficients are given in terms of another constant A in Eq (10) and (11); these supplementary coefficients are tabulated in Tables 1 to 4. The particular example considered is of a wire with a steel core of diameter 0.9 mm and a copper covering 0.15 mm thick. The frequency dependence of resistance

Card 1/2

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The Calculation of the Parameters of Cables with Bi-metallic Cores

and conductance of such a cable with styroflex insulation and spiral quad structure is shown in Fig 2. The corresponding damping and phase coefficients are given in Fig 3. There are 3 figures, 4 tables and 2 Soviet references.

SUBMITTED: 24th May 1958

Card 2/2

USCOMM-DC-61057

AKUL'SHIN, Pavel Kuz'mich; YEVLANOV, Sergey Nikolayevich; YEFIMOV, I.Ye., doktor tekhn.nauk, otv.red.; PETROVA, V.Ye., red.; MARKOCH, K.G., tekhn.red.

[Fundamentals of electric communications] Osnovy toorii elektricheskoi sviazi. Moskva, Gos.izd-vo lit-ry po voprosem sviazi i radio. Pt.2. [Electric line systems with distributed constants] Lineinye sistemy a raspredelennymi postoiannymi. 1960. 221 p. (Electric lines) (MIRA 13:9)

YEFIMOV, Ivan Yefimovich; KOSHCHEYEV, I.A., prof., doktor tekhn.nauk, otv.red.; BOGACHEVA, G.V., red.; SHEFER, G.I., tekhn.red.

[Multilayer communication lines] Mnogosloinye provoda sviazi.

Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1961.

1/3 p.

(Electric lines) (Coaxial cables)

YEFIMOV, I.Ye.; GRODNEV, I.I., doktor tekhn. nauk, prof., retsenzent; SUSHKEVICH, V.I., kand. tekhn. nauk, retsenzent; SRETENSKIY, V.N., retsenzent; GOLOVANOVA, L.V., red.

[Radiofrequency transmission lines] Radiochastotnye linii peredachi. Moskva, Sovetskoe radio, 1964. 599 p. (MIRA 17:5)

ACCESSION NR AM4045081

BOOK EXPLUITATION

YEfimov, I. YE.

Radio-frequency transmission lines (Radio-chastotny ye linii peredachi), Moscow, Izd-vo "Sovet skoye radio", 1964, 599 p. illus. biblio. fold diagr., tables. 10,300 copies printed.

TOPIC TAGS: radio-frequency transmission line, waveguide, radio-frequency cable

PURPOSE AND COVERAGE: This book is an aid on radio-frequency transmission lines used in various types of radio electronic equipment. Basic characteristics of radio-frequency cables and waveguides and engineering methods of calculating their parameters are included. The basic methods of measuring and testing radio-frequency cables are examined. The book is of interest to these there, engineers, and statement to righter advication institutions with a specialty of radio engineering.

TABLE OF CONTENTS [abridged]:

Foreword -- 3
Card 1/2

	L 16484-65 ACCESSION NR AM4045081 Introduction 5	
Fig. 1. Sec. 1	Ch. I. Basic assumptions of the theory of an electromagnetic field 11 Ch. II. Principles of the theory of high-frequency transmission lines 62 Ch. IV. Coaxial radio-frequency cables 147 Ch. V. Symmetrical radio-frequency cables 274 Ch. VI. Spiral radio-frequency cables 299 Ch. VII. Closed waveguides from metal tubes 329 Ch. VIII. Band transmission lines 411 Ch. IX. Dielectric waveguides 435 Ch. X. Transmission lines with a surface wave 457 Ch. XI. Basic methods of testing and measuring radio-frequency cables 487	
	Appendix 586 Bibliography 586	
	SUB CODE:EC SUBMITTED: 11Feb64 NR REF SOV: 078	
	OTHER: 051	
	Card 2/2	

SADOVSKIY, Akim Samoylovich; YEFIMOV, I.Ye., otvetstvennyy redaktor; KOKOSOV, L.V., redaktor; SOKOLOVA, R.Ya., tekhnicheskiy redaktor.

[Collection of problems on the course "Theory of electric communications."] Sbornik zadach po kursu "Teoriia elektricheskoi sviazi." Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, (MIRA 8:3) 1954. 341 p. (Telecommunications—Problems, exercises etc.)

YEFIMOV, K.

Approaching a dream. Vien. znan. 40 no.8:39-40 Ag 164.

(MIRA 17:11)

1. Vneshtatnyy instruktor Saratovskogo promyshlennogo oblastnogo komiteta Kommunisticheskoy partii Sovetskogo Soyuza.

BYKHOVSKIY, Izrail' Adol'fovich. Prinimali uchastiye: AL'KIMOVICH, A.V., inzh.; YEFIMOV, K.A.; KRASIN, A.K., prof., doktor tekhn. nauk, retsenzent; ZNAMEROVSKIY, B.P., kand. tekhn. nauk, retsenzent; KU-DINOV, N.N., inzh., retsenzent; MISHKEVICH, G.I., red.; SHISHKOVA, L.M., tekhn. red.

[Atomic ships] Atomye suda. Pod red. N.N.Kudinova. Leningrad, Gos. soluznoe izd-vo sudestroit. promyshl., 1961. 310 p. (MIRA 14:9)

YANOV, E.N.; PREDTECHENSKIY, N.N.; POLEVAYA, N.I.; MURINA, G.A.;
MIRKINA, S.L.; ISKANDEROVA, A.D.; YEFIMOV, K.P.;
CHEN' YUY-VEY [Ch'ên Yü-wei]; TITOV, N.Ye.; PANTELEYEV, A.I.;
KOCHEGURA, V.V.; GIRFANOVA, O.M.; ZUYEV, A.V.; NIKOL'SKIY, Yu.I.;
BURE, G.N.

Problems of the methods of geological investigations. [Trudy] VSEGEI 92:91-98 '63. [MIRA 17:4]

ACC NR: AP6029950

SOURCE CODE: UR/0413/66/000/015/0127/0128

INVENTOR: Vzorov, M. I.; Romanov, A. S.; Yefimov, K. P.; Terenin, A. P.

ORG: none

TITLE: Actuating valve. Class 47, No. 184575

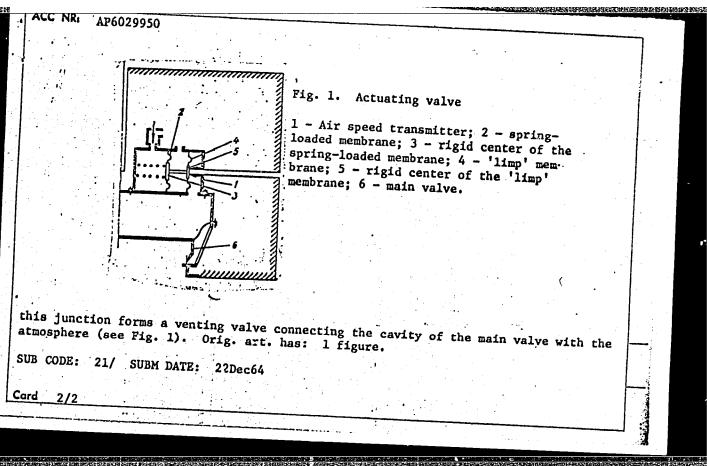
SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 127-128

TOPIC TAGS: valve, actuating valve, aircraft cabin environment, aircraft cabin equipment, pressure regulator, hermetic seal

ABSTRACT: An attempt has been made to simplify the design and increase the reliability of an actuating valve for hermetic aircraft cabin previously described in Author Certificate No. 170256. In the improved valve, the pressure increment chamber of the air speed transmitter has a rigid center in the spring-loaded separating membrane which is connected with the rigic center of a 'limp' membrane;

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MIRKINA, S.L.; ISKANDEROVA, A.D.; YEFIMOV, K.P.

Comparing data on the lead and argon method of absolute age determination. Sov.geol. 5 no.9:122-126 S '62. (MTRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut. (Geological time)

ACC-NRIAP7005674

SOURCE CODE: UR/0413/67/000/002/0144/0144

INVENTOR: Yesimov, K. P.; Romanov, A. S.; Terenin, A. P.; Chizhikov, Yu. V.

ORG: none

TITLE: Device for synchronizing the operation of the exhaust valves of a pressure regulating system for pressurized cabins. Class 47, 190747

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 144

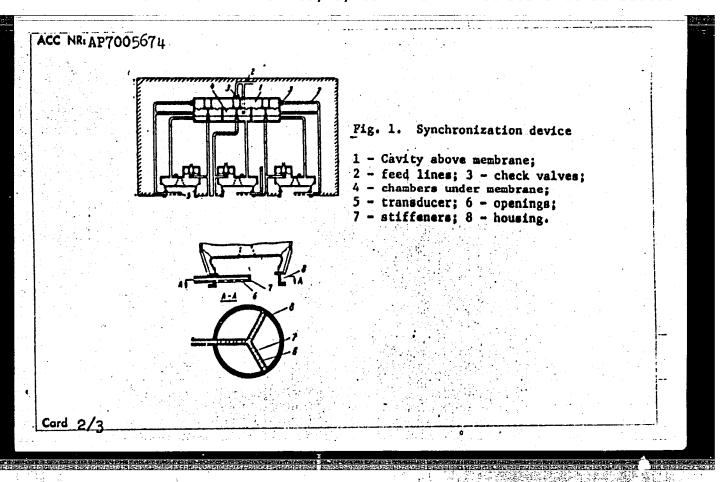
TOPIC TAGS: pressure regulator, aircraft cabin equipment, valve, cobin frequency after a specific cannot equipment

ABSTRACT: The proposed synchronizing device consists of a housing whose cavity contains spring-loaded elastic membranes with by-pass valves fastened to them. These valves shut off the main ducts connecting the exhaust valve

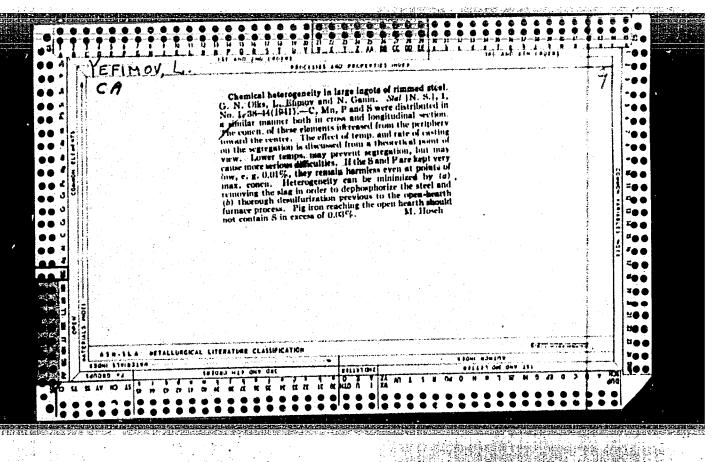
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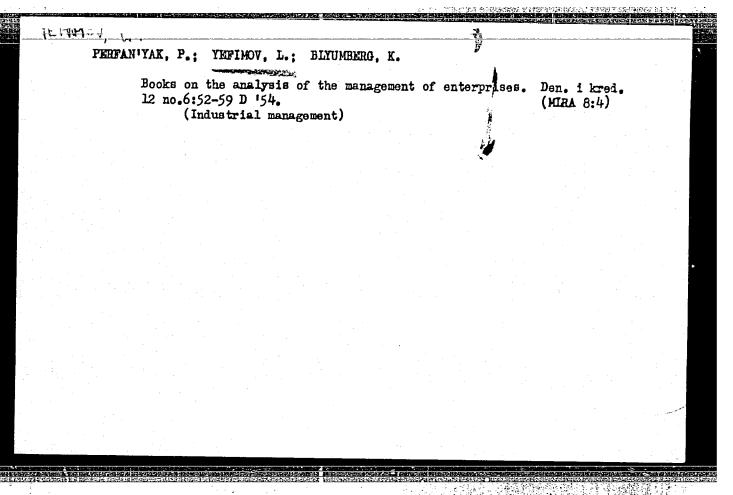
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Analytical work of the State Bank branches. Den. 1 kred. 20 no.4:39-48 Ap '62. (MIRA 15:4)

(Banks and banking) (Auditing) (Industrial management)

YEFIMOV, L., inzh.

The final goal, quality. Grazhd. av. 21 no.10:4-5 0 '64.
(MIRA 18:3)

MIKHEYEV, Valentin Aleksandrovich; YEFIMOV, L.A., inzh., retsenzent; SKORNYAKOV, V.B., kand.tekhn.nauk, red.; DUGINA, N.A., tekhn.red. [Superpressure hydraulic presses] Gidroppessore water it.

[Superpressure hydraulic presses] Gidropressovye ustanovki sverkhvysokikh davlenii. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1958. 117 p. (MIRA 12:1) (Hydraulic presses)

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SOV/137-58-11-22605

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 111 (USSR)

AUTHORS: Zemzin, V. N., Yefimov, L. A.

Card 1/3

Thermal Testing of Welded Joints Consisting of Different Steels (Teplovyye ispytaniya svarnykh soyedineniy raznorodnykh staley) TITLE:

Tr. Leningr. politekhn. in-ta, 1957, Nr 189, pp 83-92 PERIODICAL:

The tests were performed on two types of welded models (M) utilizing different metals. The M of a welded disk was composed ABSTRACT: of an external rim (400 mm in diameter) made of steel EI-405 (12Kh16N13MB) and a central portion made of steel EI-415 (22Kh3MVF). The welding was performed with KTI-15 electrodes (E) (4-5 mm in diameter) after the edges of the central portion were wetted with the E metal. The M of a steam pipe consisted of a central thick-walled pipe (240 x 34 mm in diameter) made of steel EI-257 (12Kh14N14MV2) with two pipes (217 x 21 mm in diameter) made of 15KhM steel attached to it on either side by means of V-groove butt welds; the edges of the 15KhM steel pipes were preliminarily wetted with the E metal of Tsu-2KhM electrodes, the coating of the latter containing an addition of FeV. Welding

SOV/137-58-11-22605

Thermal Testing of Welded Joints Consisting of Different Steels

operations were also performed with KTI-5 electrodes. The welding procedures were as follows: Heating of the disk to a temperature of 600°C over a period of 8-10 min, followed by cooling for 26-28 minutes; the steam pipe M was heated to a temperature of 670° in 10-12 min, the cooling time being 12-14 min. The heating of the models was accomplished by means of a HF generator with a capacity of 60 kva, while cooling was achieved by circulation of water. The disk was subjected to 180 heating-cooling cycles, the model of the steam pipe to 100 and 220 cycles. A simplified calculation of the stresses arising within the austenitic rim demonstrated that their magnitude is approximately four times that of the $\sigma_{\rm S}$ value of EI-415 steel. The results of the tests may, therefore, be applied to actual conditions of prolonged service. The nature of the residual stress distribution testifies to the stability of disk dimensions in the process of testing. No disruptions in continuity were observed either in the weld zone or in the parent metal. Steel EI-257 is sensitive to cyclic temperature loading. In the case of the steampipe model, cracks and small fissures were observed in areas at some distance from the weld zone. The nature and distribution of these cracks substantiate the assumption that there is no connection between the failures and the dissimilarity of metals employed in the welded connection. The high efficiency of welded connections involving austenitic and pearlitic steels was demonstrated in tests performed Card 2/3

SOV/137-58-11-22605

Thermal Testing of Welded Joints Consisting of Different Steels

under more rigid conditions than those encountered in actual operation of powergenerating installations. In order to evaluate the possibilities of employing similar weldments on an industrial scale, it is essential that shop tests be carried out on experimental subassemblies under realistic operational conditions. V. M.

Card 3/3

PETROV, G.L., kand.tekhn.nauk, dots.; YEFIMOV, L.A., inzh.

Selection of electrodes for welding thin elements of EI417(Kh23W18) steel. Energomeshinostroenie 4 no. 6:25-27 Je '58. (MIRA 11:8) (Electrodes) (Steel---Welding)

35008

S/563/61/000/216/005/007 D215/D304

1.7700

AUTHORS:

Petrov, G.L., and Yefimov, L.A.

TITLE:

Formation of transition layers near the fusion boundary in welding carbon and low alloy steels with

austenitic electrodes

SOURCE:

Leningrad Elitekhnicheskiy institut. Trudy, no. 216, Moscow. 1961. Svarochnoye proizvodstvo, 122 - 129

TEXT: Migration of carbon in composite steel welds during service at elevated temperatures was studied and followed closely the work of Christoffel and Curran. The three steel (parent metal) and four electrodes 3ϕ -13 (EF-13), μ T-15 (TsT-15), μ TM-5 (KTI-5), μ COH75 (Kh20N75) were used. High temperature ageing conditions were reckoned to give a decarburized zone about 0.5 mm wide in the CT. 3 (St 3) steel and ranged from 120 hr. at 425°C to 66 hr. at 650°C. With St. 3 the first three electrodes gave similar zone widths (within the limits of measurement accuracy). Band width was about 0.5 - 0.8 mm after 66 hr. at 650°C. The Ni-Cr electrode gave a zone only 1/6 as wide but appeared to produce grain growth in the ferrite around Card 1/2

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Formation of transition layers ...

the weld. With 34XM (34KhM) steel base only a slight decarburized zone developed (0.08 - 0.1 mm) with all the electrodes, and with 2M -414 (EI-414) practically no band developed at all. Simultane-3W -414 (EI-414) practically no band developed at all. Simultane-3W -414 (EI-414) practically no band developed at all. Simultane-3W -414 (EI-414) practically no band developed at all. Simultane-3W -415 weld metal on 34KhM carbide zone in the weld. With UT -15 (TsT-15) weld metal on 34KhM steel the maximum microhardness close to the fusion line was 500 vPN, with a large zone; with KTI-5 electrodes the hardness was low-vPN, with a large zone; with KTI-5 electrodes the hardness was low-vPN, with a large zone narrower (about 0.20 mm). These electrodes on EI-415 showed the same trend, with reduced hardness (420 and 350 VPN) and narrower zone widths (about 0.04 mm with KTI-5). The Ni-Cr weld limited diffusion and formation of a decarburized layer in the ferrite and gave better impact properties across the fusion line with EI-415 than did KTI-5 weld metal. There are 9 figures, 3 tables and 5 references: 4 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: R. J. Christoffel and R.M. Curran, Welding Journal, no. 9, 1956.

ASSOCIATION: Leningradskiy politekhnicheskiy institut (Leningrad Polytechnic Institute)

Card 2/2

X

s/563/61/000/216/006/007 D215/D304

AUTHOR:

Yefimov, L.A.

TITLE:

Calculating the composition of electrode coating

mixers

SOURCE:

Leningrad. Politekhnicheskiy institut. Trudy, no. 216,

Moscow, 1961. Svarochnoye proizvodstvo, 142 - 148

The author presented a simplified method calculating electrode coating mix composition, based on the use of nomograms. The percentage of any element x in the deposited metal is compounded of contributions from the moderate transfer and the moderate transfer and transfer percentage of any state and from the coating, $x_{dm} = x_{dm}^{\dagger} + x_{dm}^{\dagger}$ contributions from the rod and from the coating, Alternatively, $x_{dm} = x_r k^r + x_c k^m \cdot \delta$, where $x_r = \%$ of element x in rod, k' - element transfer coefficient from rod to weld pool, xc -% of element in coating, k" - element transfer coefficient from coating to melt, and 6 - relative weight of coating. If k', k" and δ are known, nomograms may be plotted showing x_{dm} as $f(x_r)$ and x_{dm}

Card 1/2

CIA-RDP86-00513R001962330003-4" **APPROVED FOR RELEASE: 09/19/2001**

Calculating the composition of ...

S/563/61/000/216/006/007 D215/D304

as $f(x_c)$. Further nomograms are given, showing x_c as a function of % (ferro-x) for various percentages of x in the ferro-alloy, and the percentages of $CaCO_3$ and CaF_2 required at a given % of ferro-alloy. S is controlled through the external diameter

$$D = d\sqrt{\frac{\gamma_r \delta}{\gamma_c} + 1} , \qquad (4)$$

where d - rod diameter, δ - weight of coating/weight of rod, γ_c - specific gravity of coating, γ_r - specific gravity of rod, γ_c is calculated by the method of G.L. Petrov and S.Sh. Smolkin (Ref. 3: Svarochnoye proizvodstvo, no. 9, 1960) from the specific gravities and proportions of individual constituents. Nomograms were finally given showing D = f(δ) for various values of d and γ_c . There are 5 figures, 3 tables and 4 Soviet-bloc references. ASSOCIATION: Leningradskiy politekhnicheskiy institut (Leningrad Polytechnic Institute)

Card 2/2

37986

\$/137/62/000/005/129/150 A150/A101

1.2300

AUTHORS:

Petrov, G. L., Yefimov, L. A.

TITLE:

The formation of transitional layers near the boundary of fusion during the welding of carbon and low-alloyed steels with austenite electrodes

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 5, 1962, 10, abstract 5E48 ("Tr. Leningr. politekhn. in-ta", 1961, no. 216, 122 - 129)

Transitional structural layers which decrease the operational effi-TEXT: ciency of joints will appear near the boundary of fusion in heterogeneous welded joints operating under increased temperature conditions for a long time. This is caused by the fact that a diffusion redistribution of C takes place near the boundary of fusion at temperatures at which a diffusion of C becomes apparent, and the carbides of strong carbide-forming agents become resistant. Three grades of steels, i.e. steel 3, 34 XM (34KhM) and 3M-415 (EI-415) steels were used as base metal to experimentally investigate the process of the diffusion of C through the boundary of fusion from a lower alloyed steel to a higher

Card 1/2

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The formation of transitional ...

alloyed one. The welding was conducted with electrodes producing built-up metals of various compositions: 3Φ -13 (EF-13), UT-15 (TST-15), KT N-15 (KTI-15), and X 20 H 75 (Kh20N75). The temperature and the holding time were set in accordance with a calculation for obtaining a decarbonization zone on the CT.3 (St.3) steel of an adequate width (~ 0.5 mm). The following was revealed: 1) The heat time at 650, 525 and 425 C in heterogenous welded joints causes a migration of C from a carbon steel to a high-alloyed seam metal. The width of the decarbcnized zone in the carbon steel linearly grows, in logarithmic coordinates, with an increase of the time of action of increased temperatures at every particular temperature and type of the built-up metal. 2) When building up the 34KhM and EI-415 steels which contain a considerable amount of carbide forming agents, the migration of C is insignificant and appears least during the wolding of the EI-415 steel. 3) In comparison to electrodes yielding a built-up austenitic Cr-Ni metal, electrodes from Ni Kn20H75 alloy give better results regarding transitional layers in connection with migration of C near the boundary of fusion during the welding of carbon steels.

V. Tarisova

[Abstracter's note: Complete translation]

Card 2/2

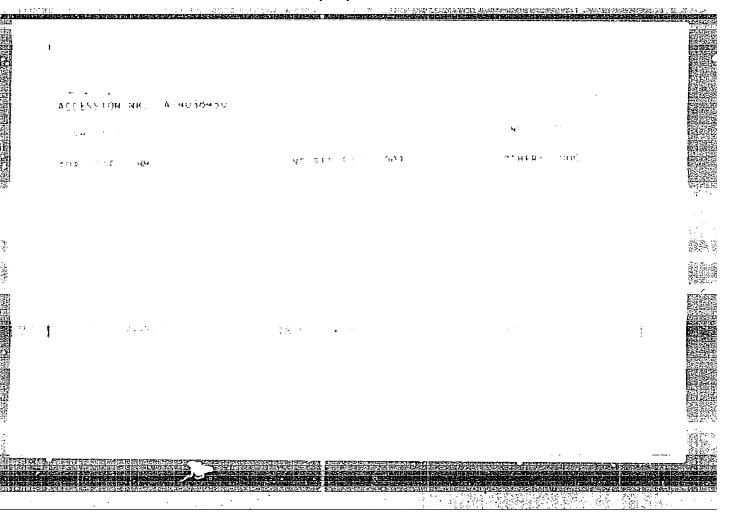
[10517-65 ENT(m)/T/EMP(E)/EMP(b) Pf-4/Pag Soum/-3 \$/2563/63/000/229/0091/0095 ACCESSION HR: AT4038450 B AUTHOR: Yefimov, L. A. TITLE: Choice of electrodes for the welding of high-nickel alloy with austenitic 3 chromlum-nickel steels / SOURCE: Leningrad, Politekhnicheskiy institut. Trudy*, no. 229, 1963. Svarochnove proizvodstvo (Welding production), 91-95 TOPIC TAGS: welding, welding electrode, electrode diameter, welding current, atloy wolding, nickel alloy, austenite steel, chromium nic el steel, stainless steel, stainless steel welding, hot fissure, steel E1-417, alloy E1-765 ABSTRACT: The greatest difficulties in the welding of pure austenitic steels to high-mickel alloys are caused by the formation of hot lissures as the metal of the weld cools, due to the low strength of such materials. When welding steel E1-417 ! Frank 7 73

I 10517-65 ACCESSION NR: AT4038450

given of experiments designed to determine the effect of electrode diameter and we ding current interset, on the degree of participation of Eu-413 and Eu-365 in the metal of the well of the author demonstrates that it is difficult to only a crack-free single-pass welds between the light sections of EI-417 austenitic steal

about 90 amperes, the degree to which the base metal participates in the metal of a fillet wold between sections with a thickness of 8-10 mm is approximately 50%, and it was also found that hot fissures in the weld metal, when welding E1-417 steel with E1-765 allow, can be eliminated by the use of electrodes which provide for a deposited metal of high chromoum content (30-32%). In this case, the weld metal will have a composition of approximately 29% or and 23% Willow as for base, thus

ASSOCIATION: Leningredskly politekhnicheskly Institut (Leningred Polytechnical



YEFIMOV, L.A.

Selection of electrodes for the welding of a high-nickel alloy with austenitic chromium-nickel steels. Trudy LPI no.229:91-95 (MIRA 17:9)

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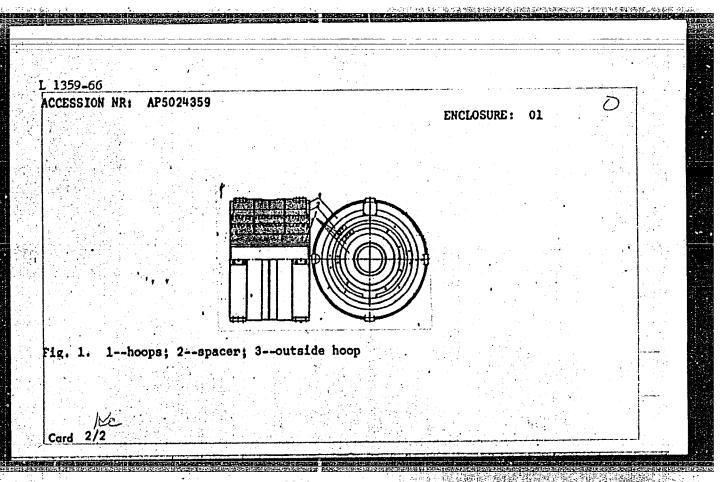
YEFIMOV, L.A.; FILIMONOV, G.Ya.

Selection of electrodes for the arc welding of thin dissimilar steels. Trudy LPI no.229:96-100 '63. (MIRA 17:9)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001962330003-4

L 1359-66 EWI(m)/EWP(t)/EWP(b)/EWP(b)/EWA(h)/EWA(c) JD/HW UR/0286/65/000/015/0024/0024 ACCESSION NR: AP5024359 621.984.2 P. M.; Pylaykin, P. A.; Shtin, L. AUTHOR: Yefimov TITLE: A multilayer container for the extrusion process. Class 7, No. 173195 SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 24 TOPIC TAGS: metal extrusion, metallurgic process ABSTRACT: This Author's Certificate introduces a multilayer container for the extrusion process. The device is built up from several hoops fitted concentrically one over the other. To economize on costly steels and lighten the container, spacers are placed between two or several pairs of hoops. These spacers are made in the form of hoops which are cut away in one or several places along the generatrix. ASSOCIATION: none IE, MM SUB CODE: ENCL: 01 SUBMITTED: 27Mar64 OTHER: 000 NO REF SOV: 000 Card 1/2



YEFIMOV, L. D.

YEFIMOV, L. D. - "Theoretical and experimental investigation of a conveyor with link scrapers and its use in railroad transport". Moscow, 1955.

Min Railways USSR. Moscow Order of Lenin and Order of Labor Red Banner Inst Degree of Candidate of Technical Science).

SO: Knizhnaya Letopis' No. 46, 12 November 1955. Moscow

YEFIMOV, L.D. kand.tekhn.nauk

Theory of conveyers with low covered scrapers. Trudy TEIIZHT 25:279-298 58. (Conveying machinery)

YEFIMOV, L.D.; ZYABLITSEV, V.Ya.

Electrified self-dumping car. Trudy CMIIT 38:111-116 (MIRA 18:8)

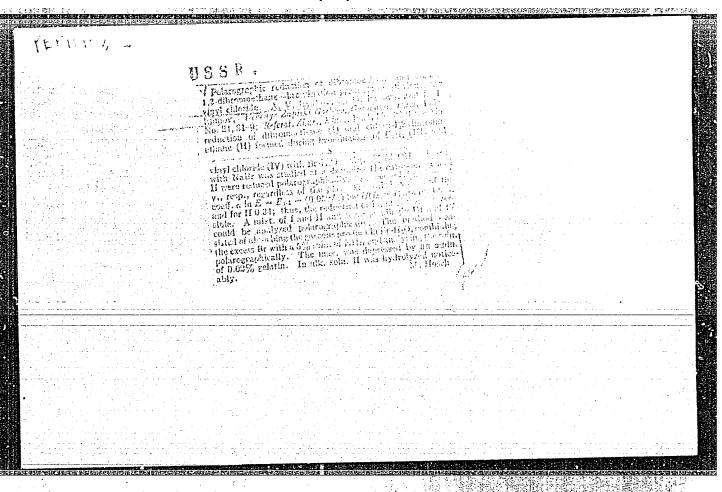
YEFIMOV, L.D.

Effect of vibratory systems on the stability of dump cars during unloading. Trudy CMIIT 43 pt.2:187-192 '63.

(MIRA 18:10)

GAYLIS, V.V.; YEFIMOV, L.F.

Mechanism for preventing short-circuiting of electric motors with phase-wound rotors when they are started with the rheostat in "Run" position. Azerb. neft. khoz. 39 no.10:45-46 0 60. (MIRA 13:11) (Electric motors, Alternating current)



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SOV/81-59-13-48338

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 13, p 575 (USSR)

AUTHORS:

Moryganov, B.N., Vefimov, L.I., Lyubimova, V.V.

TITLE:

The Effect of Esters of A -Oxyacids on the Polymerization Rate of Methyl and Butyl Ethers of Methacrylic Acid 1

PERIODICAL:

Tr. po khimii i khim. tekhnol., 1958, Nr 2, pp 368 - 372

ABSTRACT:

The kinetics of the decomposition of benzoyl peroxide in butyl ethers of the \mathcal{O} -oxylsobutyric and lactic acids has been studied at 79, 99 and 116°C. A weak inhibiting effect of the mentioned esters on the rate of polymerization of the ethyl and butyl ethers of methacrylic acid has been shown by the dilatometric method (designs of dilatometers are cited).

M. Leonov

Card 1/1

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YEFINOV L.I. TEN'IS, I.G., vedushohiy redaktor; TROFINOV, A.V., tekhnicheskiy redaktor

[The operator of refineries deriving gasoline form natural gases]
Operator gasobenzinovogo zavoda. Moskva, Gos. nauchno-tekhn. izd-vo
neftianoi i gorno-toplivnoi lit-ry, 1952. 141 p. [Microfilm]
(Gasoline) (Gas, Natural) (MIRA 7:10)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001962330003-4

YEFIMOV L.I.:ZAREMEO, K.S.

Use of electric tensioneters in studying underground gas pipelines.

(MLRA 9:1)

Trudy VNII no.5:201-204 154.

(Gas, Natural--Pipelines) (Tensiometers)

Yefimov, L.I.; KHALIF, A.L.

Hydrocarbon adsorption by the descending bed of activated charcoal

Hydrocarbon adsorption on 1:17-26 '57.

particles. Trudy VHIIGAZ no.1:17-26 '17.

(Adsorption) (Hydrocarbons)

YEFIMOV. L.I.; KOROLENKO, T.P.; KHALIF, A.L.; ESTRIN, V.N.

Adsorption of heavier hydrocarbons from natural gases by means of free-falling particles of activated carbon. Trudy VHIIGAZ (MIRA 12:10) no.6:137-148 159.

(Hydrocarbons) (Carbon, Activated)

KHALIF, A.L. YEFIAOV, L.I.

S/081/60/000/017/014/016 A006/A001

Khimiya, 1960, No. 17, p. 611, # 72075 Translation from: Referativnyy zhurnal,

*FCHTUA

Yefimov. L.I.

TITLE:

The Use of the Infrared Spectroscopical Method for the Investigation of the Polymerization of Methylmethacrylate at Deep Transformation

Stages

PERIODICAL:

Tr. po khimii i khim. tekhnol., 1960, No. 1, pp. 167-172

Kinetics of monomer exhaustion during the polymerization of methylmethacrylate (I) at 85, 105, 125 and 145°C, was studied by changes in the optical density of the absorption band of a double bond C = C with a frequency of 1.630 cm-1. The calibration curve for determining the concentration of I was plotted according to polymethylmethacrylate standards, in which the content of the residual monomer was polarographically determined. Polymerization was performed directly in a vessel placed in a heater, located directly before the inlet slit of the MKC -11 (IKS.11) infrared spectrometer. Furthermore, the author investigated films obtained by polymerization of I according to given conditions in glass forms

Card 1/2

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CIA-RDP86-00513R001962330003-4"

\$/081/60/000/017/014/016 A006/A001

The Use of the Infrared Spectroscopical Method for the Investigation of the Folymerization of Methylmethacrylate at Deep Transformation Stages

at the same temperatures. The minimum concentration of the monomer in the polymer to be determined was 0.1%. The dependence of the extremal concentration of the residual monomer on the temperature within the $313-413^{\circ}$ K temperature range is described by the empirical equation $C = (10^{3}/2.455 \text{ T})^{12.5}$. The dependence of extremal concentration of a residual monomer on the temperature is explained by changes in the viscosity of the system.

V. Zharkov

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

GERASIMOV, V.G.; YEFIMOV, L.I., inzh.; KEL'TSEV, V.V., kand.tekhn.nauk; MAKAROV, K.M., inzh.; PODKOPAYEV, V.F., inzh.

Steam conversion of natural gas in a water gas producer. Masl.zhir. prom. 27 no.9:31-34 S *61. (MIRA 14:11)

1. Moskovskiy gidrozavod (for Gerasimov). 2. Vsesoyuznyy nauchnoissledovatel skiy institut prirodnogo gaza (for Yefimov, Kel tsev, Makarov, Podkopayev). (Gas, Natural) (Gas producers)

LAPITSKAYA, S.K.; YEFIMOV, L.I.; ALESKOVSKIY, V.B.

Polarographic study of the behavior of hydroquinone in methacrylic acid. Izv.vyslucheb.zav.;khim.i khim.tekh. 6 no.1:133-136 '63. (MIRA 16:6)

l. Leningradskiy tekhnologicheskiy institut imeni Lensoveta, kafedra analiticheskoy khimii. (Hydroquinone) (Polarography) (Methacrylic acid)

ACCESSION NR: AP4018165

S/0191/64/000/003/0038/0040

AUTHORS: Frolova, M.I.; Yefimov, L.I.; Chekmodeyeva, I.V.

TITLE: Aging of polymethylmethacrylate organic glass under the influ-

ence of radiation by erythematous lamps.

SOURCE: Plasticheskiye massy*, no.3, 1964, 38-40

TOPIC TAGS: Polymethylmethacrylate, plasticized polymethylmethacrylate, unplasticized polymethylmethacrylate, extinction coefficient, transmission coeffecient, tensile strength, impact strength

ABSTRACT: The coefficient of extinction of unplasticized polymethylmethacrylate, (PMMA), organic glasses in the ultraviolet spectral range increases during the first 200 hours of irradiation with erythematous lamps, after which it decreases slowly. In plasticized PMMA organic glasses the coefficient of transmission after 200 hours irradiation by 300 millimicron waves becomes so small that the glass can be considered opaque. The tensile strength and the specific impact strength of dibutylphthalate plasticized PMMA is greatly re-

Card 1/2

ACCESSION NR: AP4018165

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duced under the influence of radiation of erythematous lamps, while the changes in these properties are insignificant in unplasticized glass. "C.A. Babayeva participated in the experimental part of the work." Orig. art. has: 2 figures and 2 tables.

ASSOCIATION: None

SUBMITTED: 00

27Mar64 DATE ACQ:

00 ENCL:

SUB CODE:

NR REF SOV: 005 OTHER: 001

Card 2/2

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001962330003-4"

-W/RM SOUNCE CODE: UR/0081/65/000/015/8031/3031 AUTHOR: Frolova, M.I.; Yefimov, L.I.; Ryabov, A.V. ORG: none TITIE: Polymethymethacrylate aging under light. III. using ultraviolet and infrared spectra Study of decay under light SOURCE: Ref. zh. Khimiya, Abs. 158190 REF SOURCE: Tr. po khimii 1 khim. tekhnol. Gor'kiy, vyp. 2(10), 1964, 304-310 TOPIC TAGS: polymethylmethacrylate, light aging, IR spectrum, UV spectrum, benzoyl TRANSIATION: Samples of polymethylmethacrylate (RAM) obtained by block polymerization in a vacuum and under atmospheric conditions in the presence of benzoyl peroxide; azoizobutyric acid dinitrile, or by means of photoinitiation, were investigated. The presence of bathochrome displacement of UV absorption and the presence of a new maximum absorption in PMMA were disclosed. This indicates the formation of new groups. Using IR spectrometry, the assumption of formation of isolated conjugate double bonds was confirmed. Oxygen does not noticeably affect the character of the spectra of irradiated PMMA samples. A method of photo decomposition of PMMA in a vacuum was suggested. See report 2, R.Zh. Khim., 1962, 1843. V. Agasandyan.

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